

Listing of Claims:

- 1 1. (Currently Amended)A fan motor assembly having an integrated brush support and
2 bearing retainer comprising:
3 a motor assembly having a rotatable shaft;
4 a working air fan coupled to said shaft; and
5 a motor bracket and baffle assembly interposed between said working air fan
6 and said motor assembly, said motor bracket and baffle assembly retaining a bearing
7 which rotatably receives said shaft, said motor bracket and baffle assembly comprising
8 a bracket, said motor assembly mounted to said bracket, and a retainer coupled to said
9 bracket, said bracket and said retainer capturing said bearing therebetween, said
10 retainer comprising a frame having a retainer hole therethrough which is alignable
11 with said bracket hole and an outer race collar extending axially from said frame and
12 around said retainer hole, said outer race collar enclosing at least a portion of said
13 bearing.
- 1 2. (Cancelled)
- 1 3. (Previously Amended)The assembly according to claim 1, wherein said bracket has
2 a cover plate with a bracket hole therethrough;
3 said cover plate having a bearing wall extending axially therefrom and around
4 said bracket hole; said bearing wall enclosing at least a portion of said bearing.
- 1 4. (Cancelled)
- 1 5. (Cancelled)
- 1 6. (Currently Amended)The assembly according to claim ~~5~~ 1, wherein said retainer
2 further comprises:
3 ~~a race flange extending axially from said outer race collar, and~~

1 a bearing support surface extending radially from said race flange, wherein said
2 bearing support surface and said step hold said outer race when said retainer is coupled
3 to said bracket.

1 7. (Previously Amended)The assembly according to claim 1, wherein said bracket has
2 a plurality of alignment posts and said retainer has a plurality of alignment holes that
3 are mateable with said alignment posts.

1 8. (Original)The assembly according to claim 7, wherein said bracket has a plurality of
2 fastener posts with fastener holes, said retainer having tab holes alignable with said
3 fastener holes for receiving fasteners to secure said retainer to said bracket.

1 9. (Currently Amended)The assembly according to claim 1 wherein said retainer further
2 comprises:

3 ~~a frame having a retainer hole therethrough which is alignable with said~~
4 ~~bracket hole;~~

5 a pair of brush boxes extending from said frame and diametrically opposed to
6 one another;

7 a pair of spring posts extending from said frame, each said spring post in
8 proximity to one of said corresponding brush boxes; and

9 wherein said fan motor assembly further comprises

10 a spring carried by each said spring post.

1 10. (Original)The assembly according to claim 9, wherein said spring comprises:

2 a coil having a brush end and a bias end; and

3 said retainer further comprising

4 a pair of fingers extending from said frame, each said finger retaining a bias
5 end of said spring.

1 11. (Currently Amended)A bottom motor bracket and baffle assembly interposed between

1 a motor assembly having a shaft, and a fan assembly rotated by the shaft, the baffle
2 assembly, comprising:
3 a bracket for carrying the motor assembly;
4 a bearing carried by said bracket, said bearing rotatably receiving the shaft; and
5 a retainer secured to said bracket and holding said bearing in place
6 wherein said bracket comprises a cover plate, said cover plate having a bracket
7 hole therethrough and a bearing wall disposed about said bracket hole, said bearing
8 positioned within said bearing wall and aligned with said bracket hole.

1 12. (Cancelled)

1 13. (Original)The baffle assembly according to claim 11, wherein said retainer comprises:
2 a frame, said frame having a retainer hole therethrough; and
3 an outer race collar disposed about said retainer hole, said bearing positioned
4 within said outer race collar and aligned with said retainer hole.

1 14. (Currently Amended)The baffle according to claim ~~11~~ 13,
2 ~~a cover plate, said cover plate having a bracket hole therethrough; and~~
3 ~~a bearing wall disposed about said bracket hole, said bearing positioned within~~
4 ~~said bearing wall and aligned with said bracket hole;~~
5 ~~a frame, said frame having a retainer hole therethrough; and~~
6 ~~an outer race collar disposed about said retainer hole, said bearing positioned~~
7 ~~within said outer race collar and aligned with said retainer hole; and~~
8 wherein said bearing has an outer race and an inner race, said bearing wall and
9 said outer race collar capturing said outer race.

1 15. (Original)The baffle assembly according to claim 11, wherein said bracket comprises:
2 at least one alignment post, and at least one fastener post; and
3 wherein said retainer comprises:
4 a plurality of tabs, each said tab having a tab hole therethrough, said tab holes

1 alignable with said at least one alignment post and said at least one fastener post.

1 16. (Original)The baffle assembly according to claim 15, further comprising:
2 at least one fastener received through said tab hole to secure said retainer to
3 said bracket.

1 17. (Original)The baffle assembly according to claim 11, wherein said retainer comprises:
2 a frame, said frame having a retainer hole therethrough; and
3 a pair of brush boxes extending from said frame and diametrically opposed to
4 one another.

1 18. (Original)The baffle assembly according to claim 17 further comprising:
2 a pair of spring posts extending axially from said frame; and
3 a spring carried by each said spring post, each said spring having a brush end
4 and bias end.

1 19. (Original)The baffle assembly according to claim 18 wherein each said brush box has
2 extending therefrom a spring nub, said spring nub retaining said brush end.

1 20. (Original)The baffle assembly according to claim 18, wherein said retainer further
2 comprises:
3 a pair of fingers extending from said frame, each said finger retaining said bias
4 end of said spring.

1 21. (New Claim)A bottom motor bracket and baffle assembly interposed between a motor
2 assembly having a shaft, and a fan assembly rotated by the shaft, the baffle assembly,
3 comprising:
4 a bracket for carrying the motor assembly;
5 a bearing carried by said bracket, said bearing rotatably receiving the shaft; and

1 a retainer secured to said bracket and holding said bearing in place
2 wherein said retainer comprises a frame and at least one brush box extending
3 from said frame.